

FIG. 1

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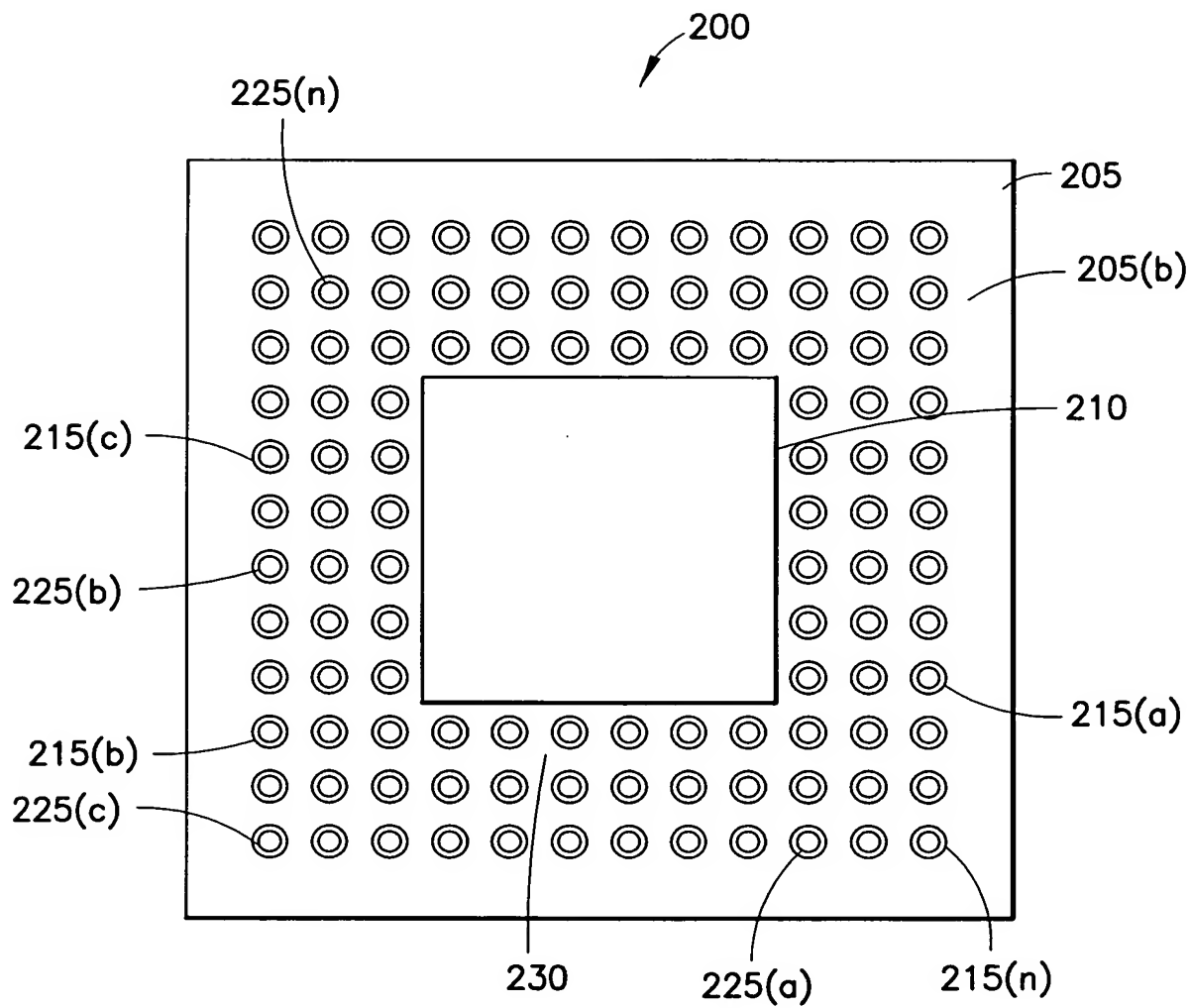


FIG. 2
PRIOR ART

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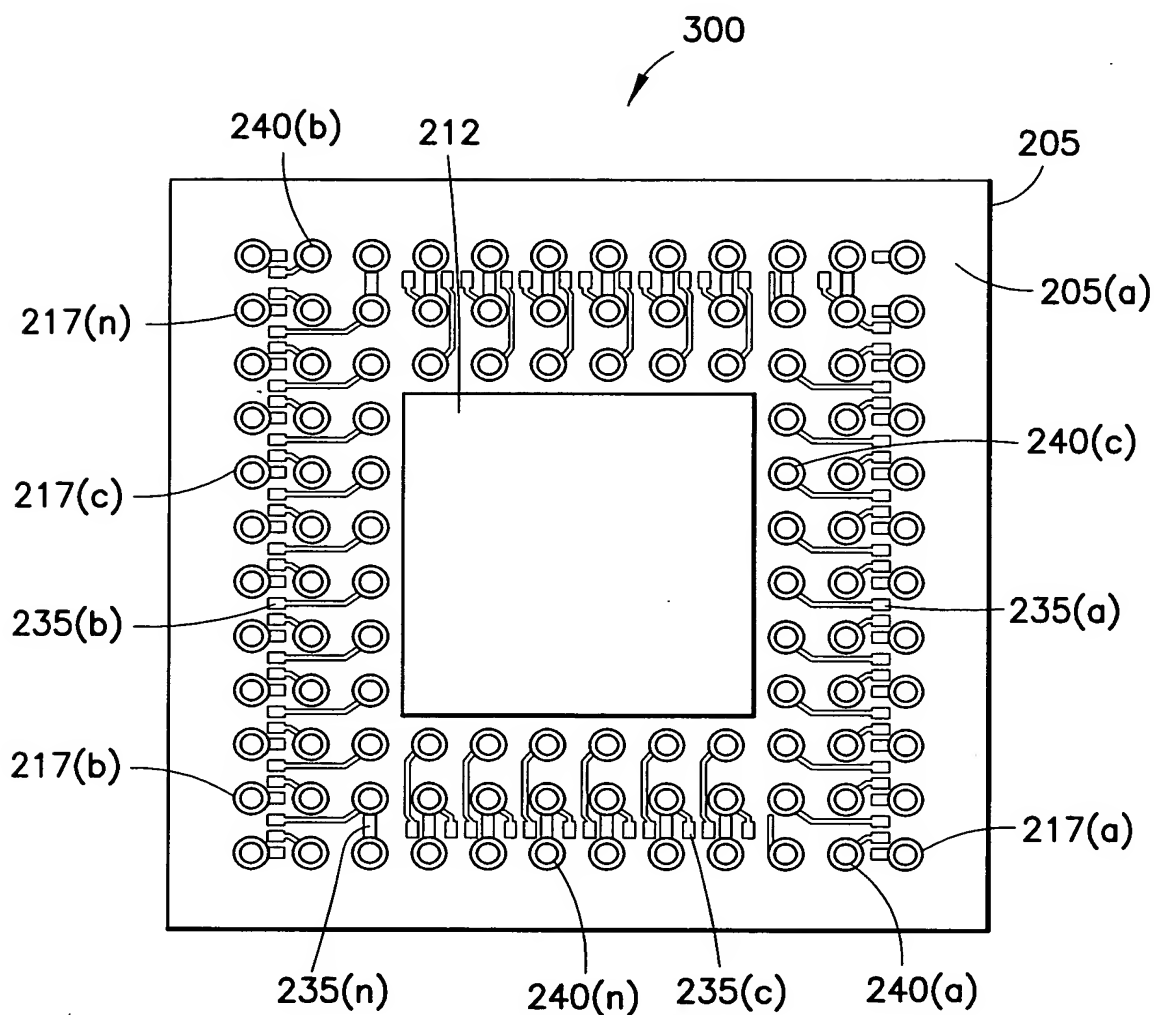


FIG. 3
PRIOR ART

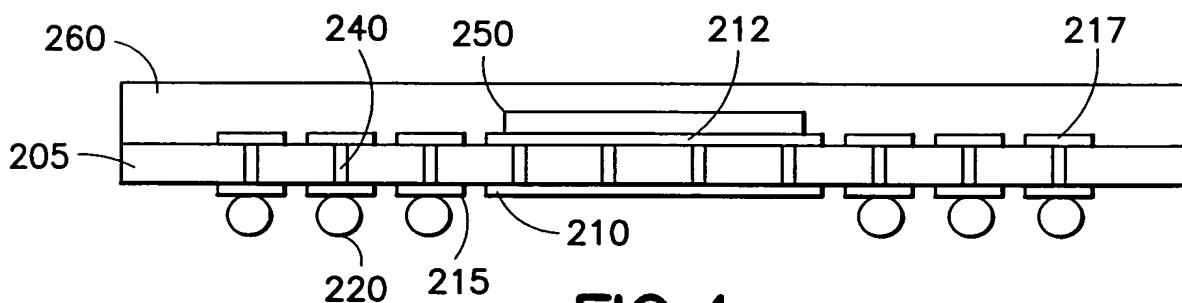


FIG. 4
PRIOR ART

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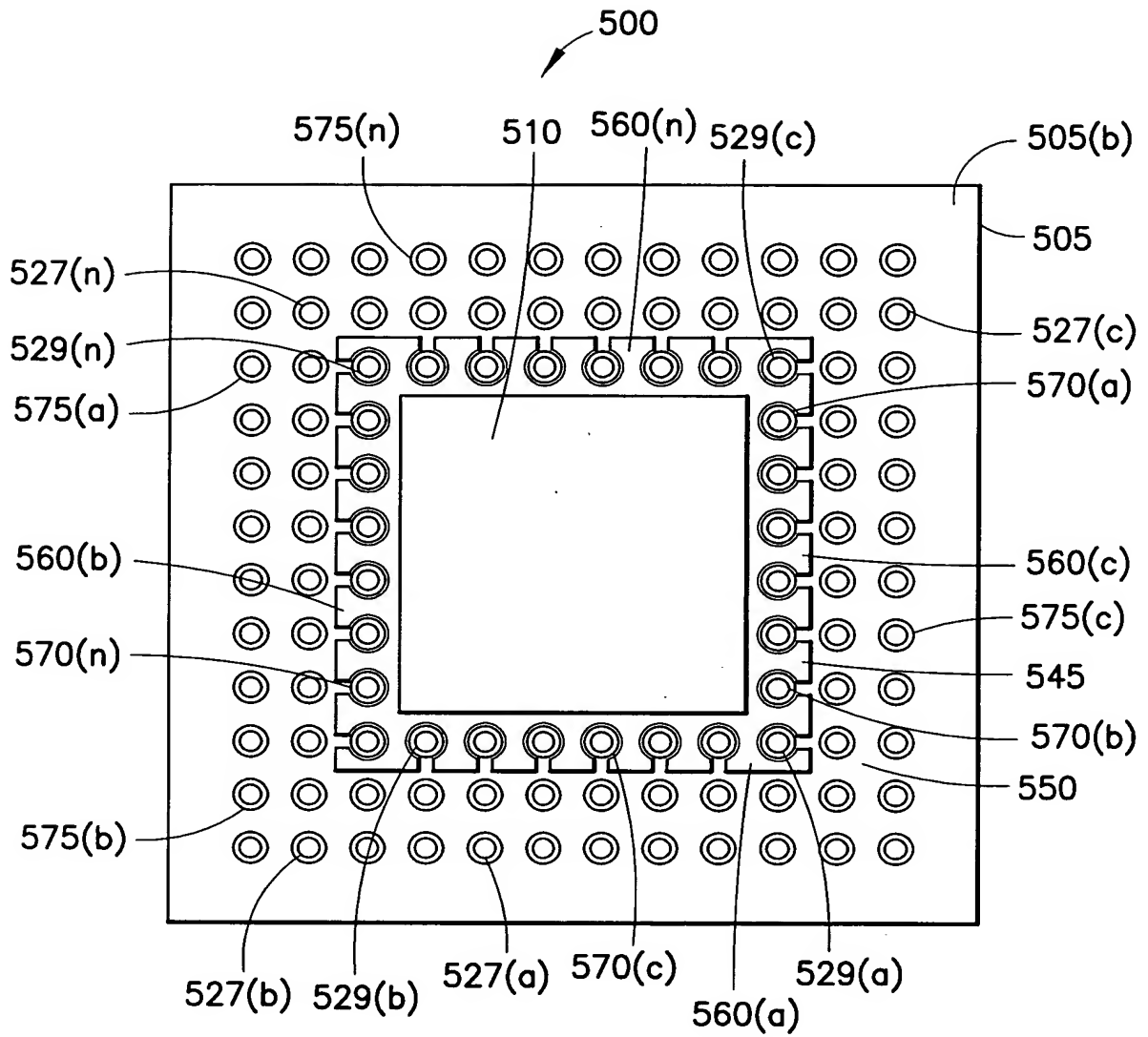


FIG. 5A

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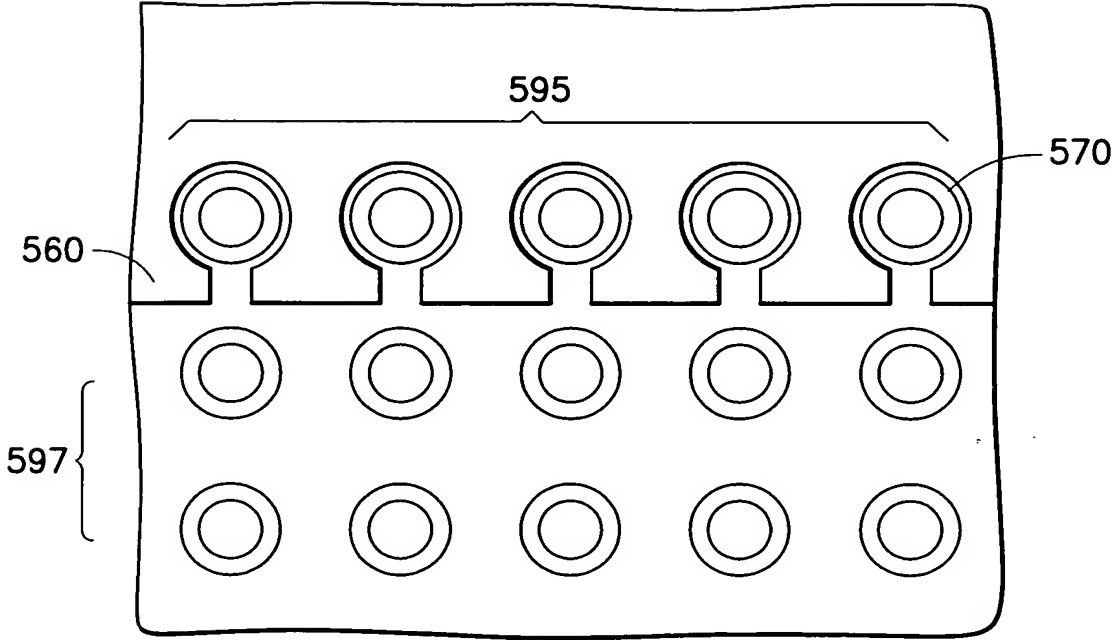


FIG. 5B

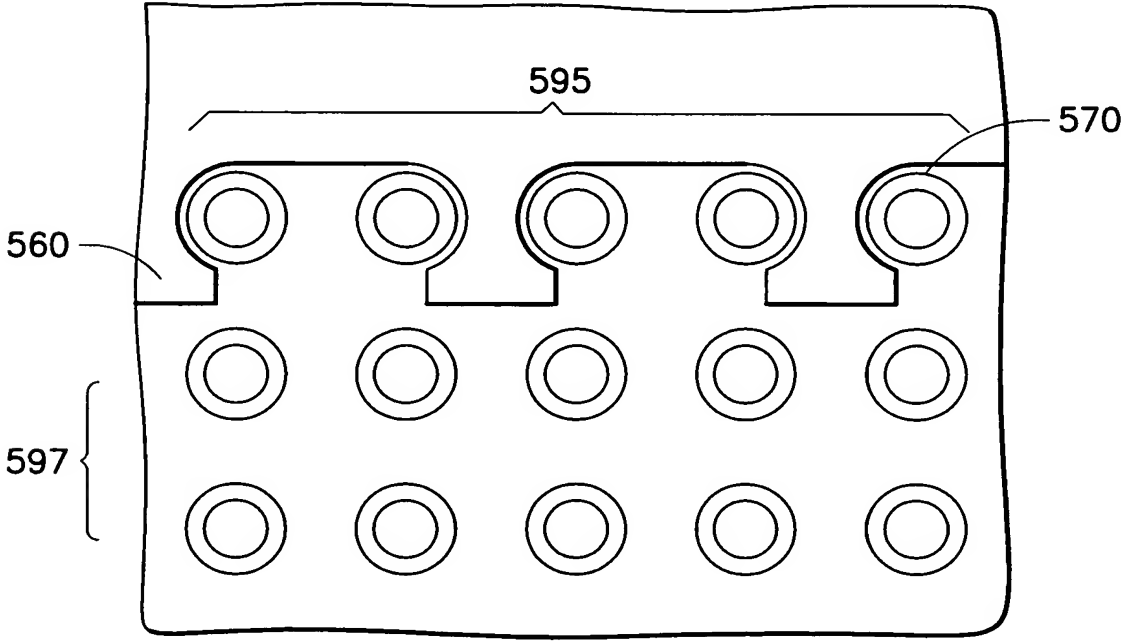


FIG. 5C

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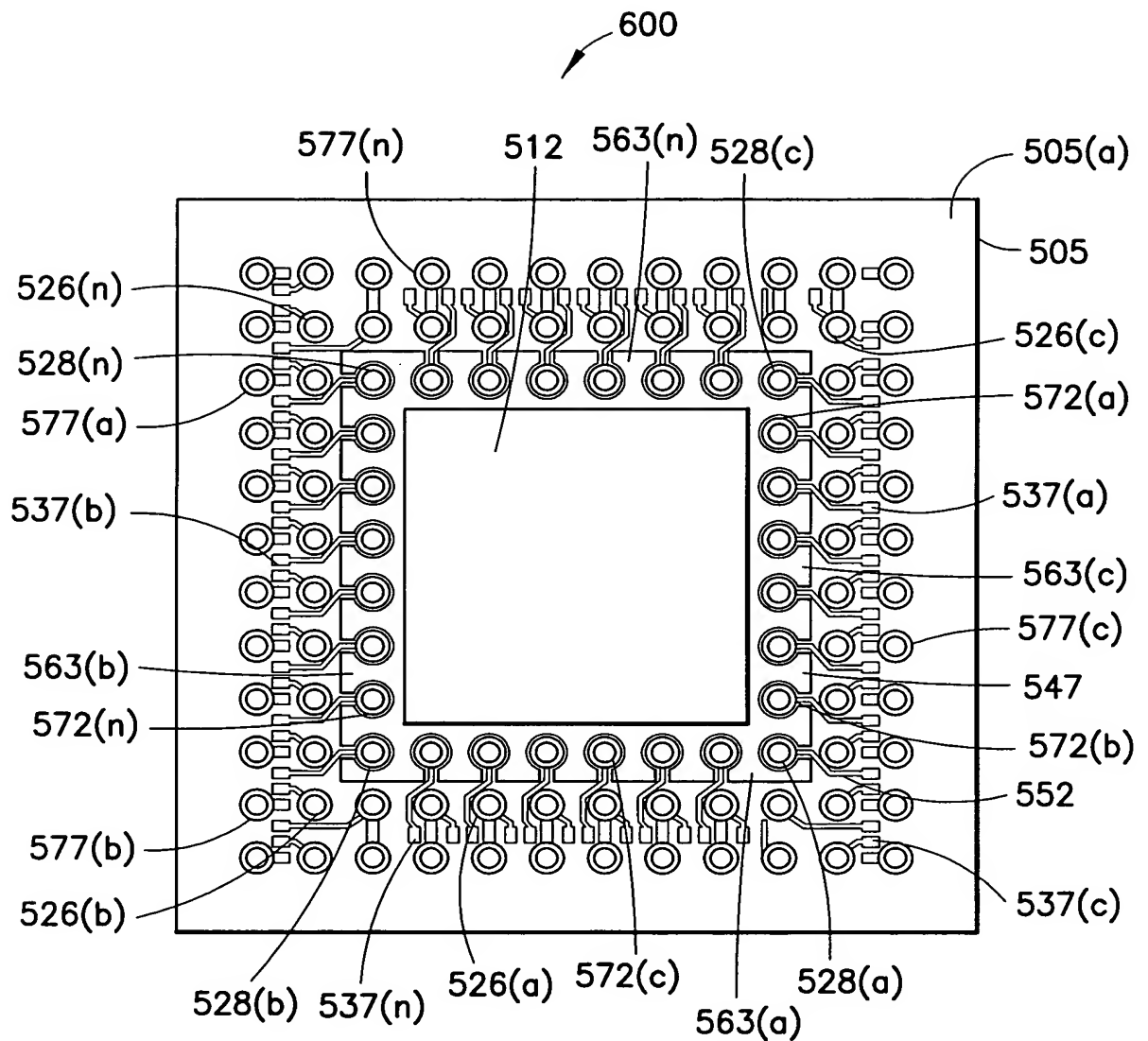


FIG. 6

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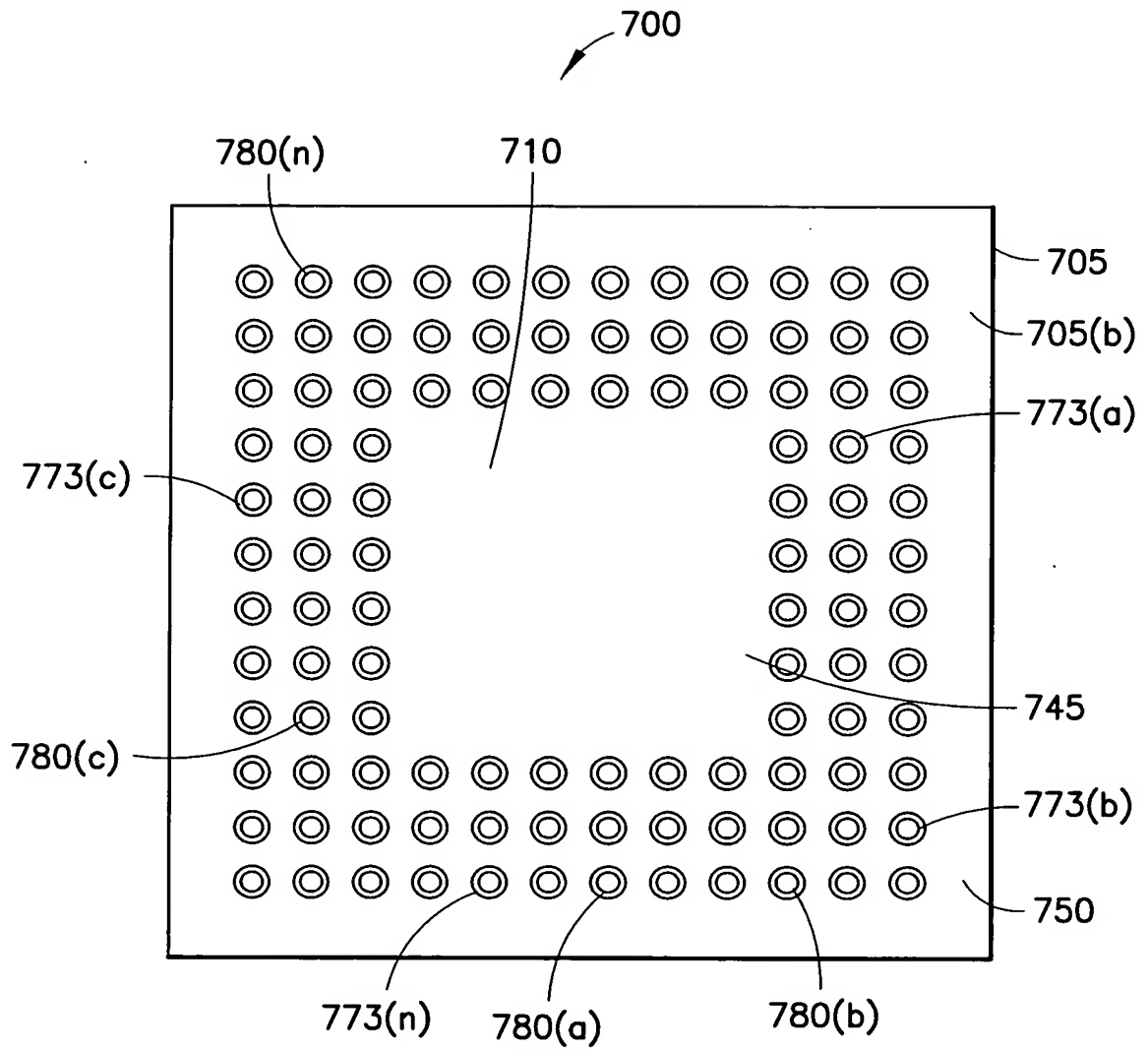


FIG. 7

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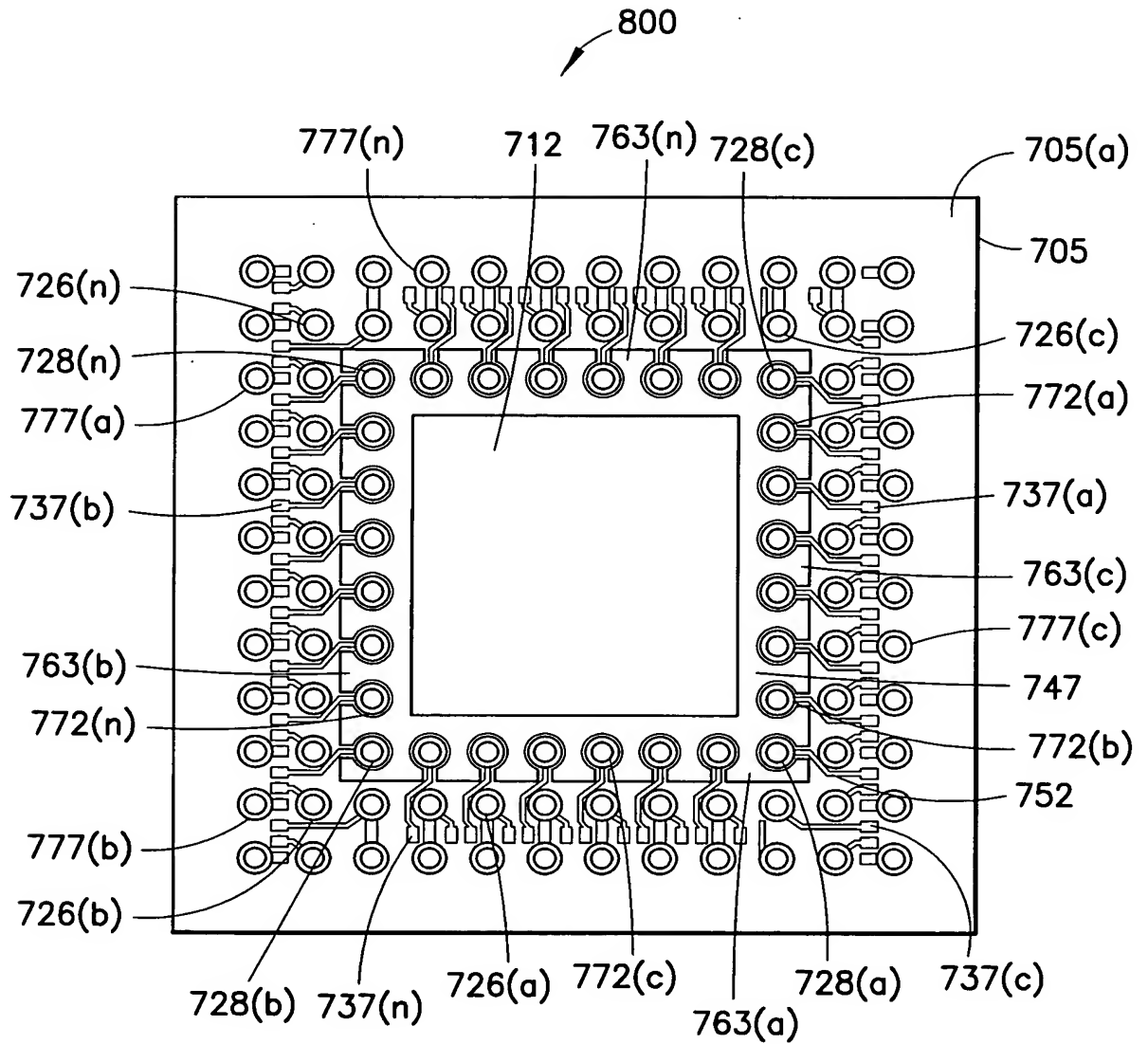
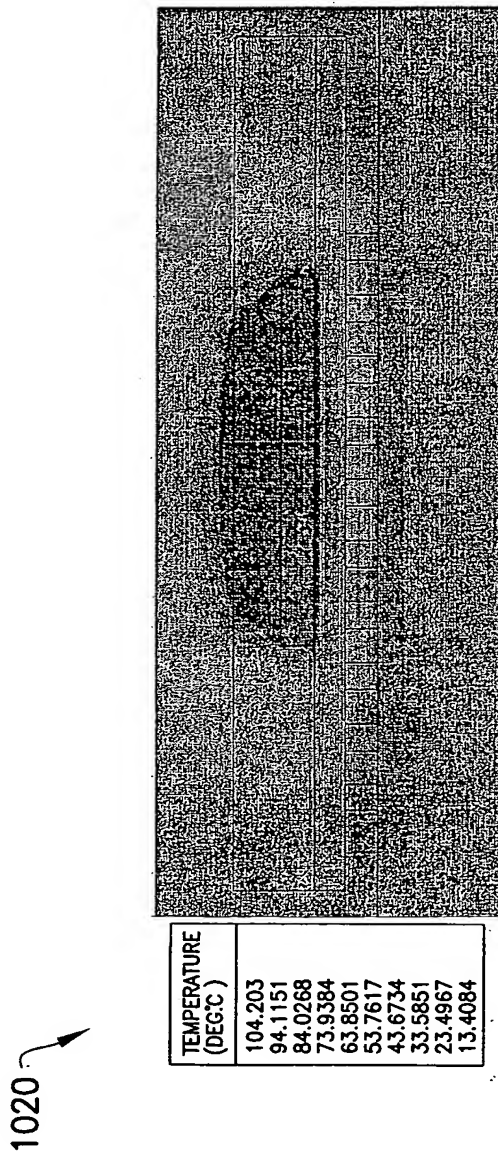


FIG.8

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ENHANCED DESIGN, TOP AND BOTTOM THERMAL FINGERS:

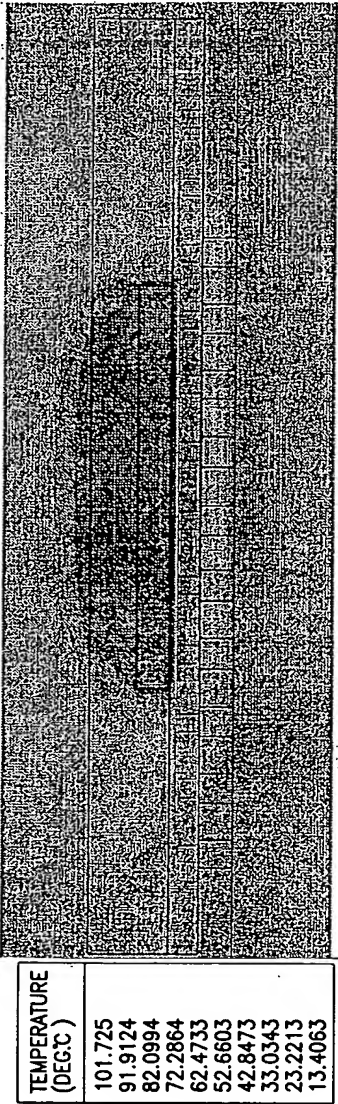


~ 15% THERMAL PERFORMANCE DECREASE IN PACKAGE LEVEL

FIG.9

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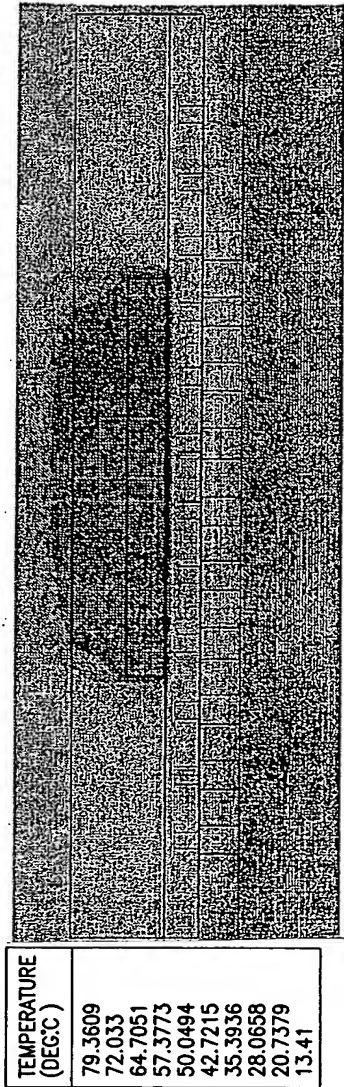
ENHANCED DESIGN, TOP AND BOTTOM THERMAL FINGERS + THERMAL VIAS:



~ 17% THERMAL PERFORMANCE DECREASE IN PACKAGE LEVEL

1040

ENHANCED DESIGN, TOP THERMAL FINGERS AND BOTTOM NET + VIAS:



~ 35% THERMAL PERFORMANCE DECREASE IN PACKAGE LEVEL

FIG.10